



Retina MacBook 2015 Lower Case Assembly Removal

Separate the lower case assembly.

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INTRODUCTION


Prerequisite-only guide for separating the lower case assembly from the upper case assembly.

TOOLS:

- [P5 Pentalobe Screwdriver Retina MacBook Pro and Air](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [iPad Battery Isolation Pick](#) (1)
 - [T5 Torx Screwdriver](#) (1)
 - [Tri-point Y00 Screwdriver](#) (1)
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Step 1 — Retina MacBook 2015 Lower Case Assembly Removal



 Before proceeding, power down your MacBook. Close the display and lay it on a soft surface, top-side down.

- Remove the following eight screws securing the lower case:
 - Two 1.8 mm P5 Pentalobe screws
 - Four 2.9 mm P5 Pentalobe screws
 - Two 6.1 mm P5 Pentalobe screws

Step 2



- Wedge your fingers between the upper case and the lower case, starting from the rear of the MacBook between the hinges.
- ⚠ Lift the lower case only slightly to avoid damaging the cables that connect the lower case to the upper case.
- Keeping a firm grip, lift steadily until the lower case separates slightly from the upper case.
- ⓘ You may experience a lot of resistance when lifting the lower case. If necessary, slide a plastic opening tool down the side edges of the lower case to pop the two hidden retaining clips free.

Step 3



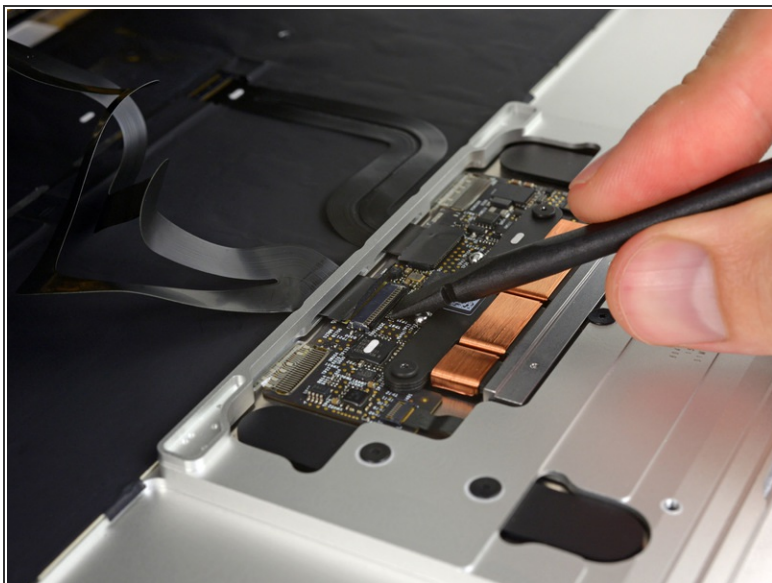
- Rotate the MacBook 180° and gently flip open the lower case from the front.
 - Open the lower case to an angle of about 45°.
- ⚠ Take care not to damage the ribbon cables that still attach the lower case to the MacBook.

Step 4



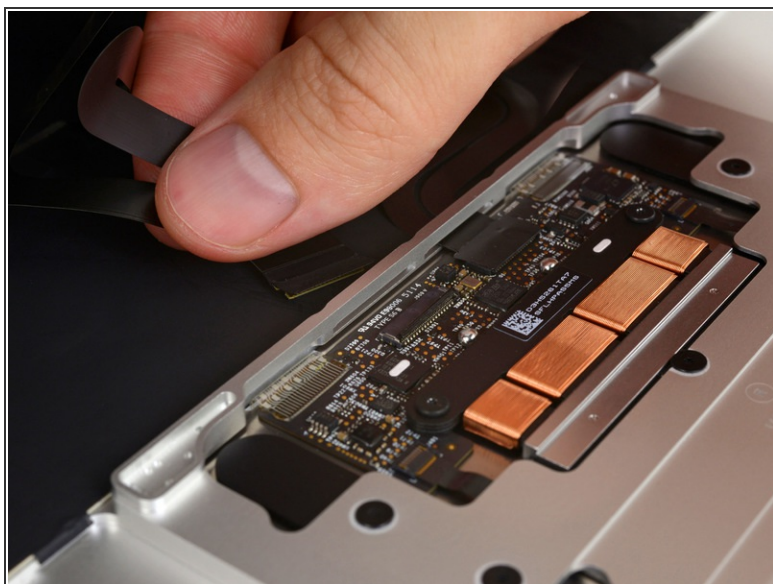
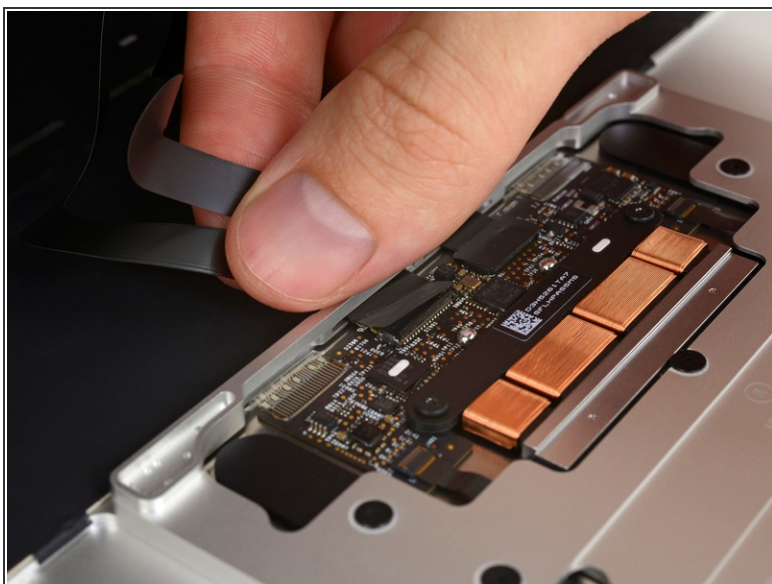
- Use tweezers to peel back the tape covering the trackpad cable ZIF connector.

Step 5



- Use a spudger to carefully flip up the retaining flap on the trackpad cable ZIF connector.

Step 6



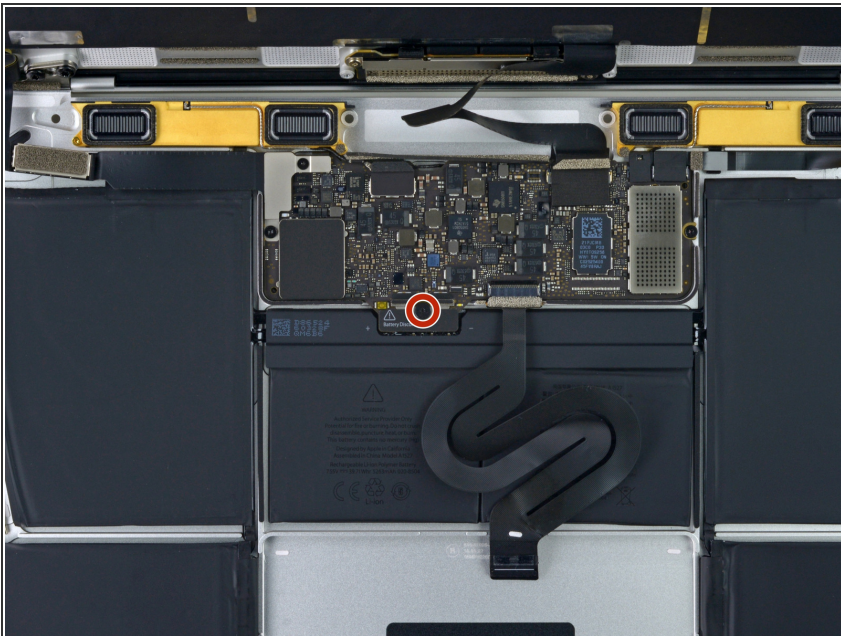
- Disconnect the trackpad ribbon cable from the trackpad by pulling it gently through its slot in the frame.

Step 7



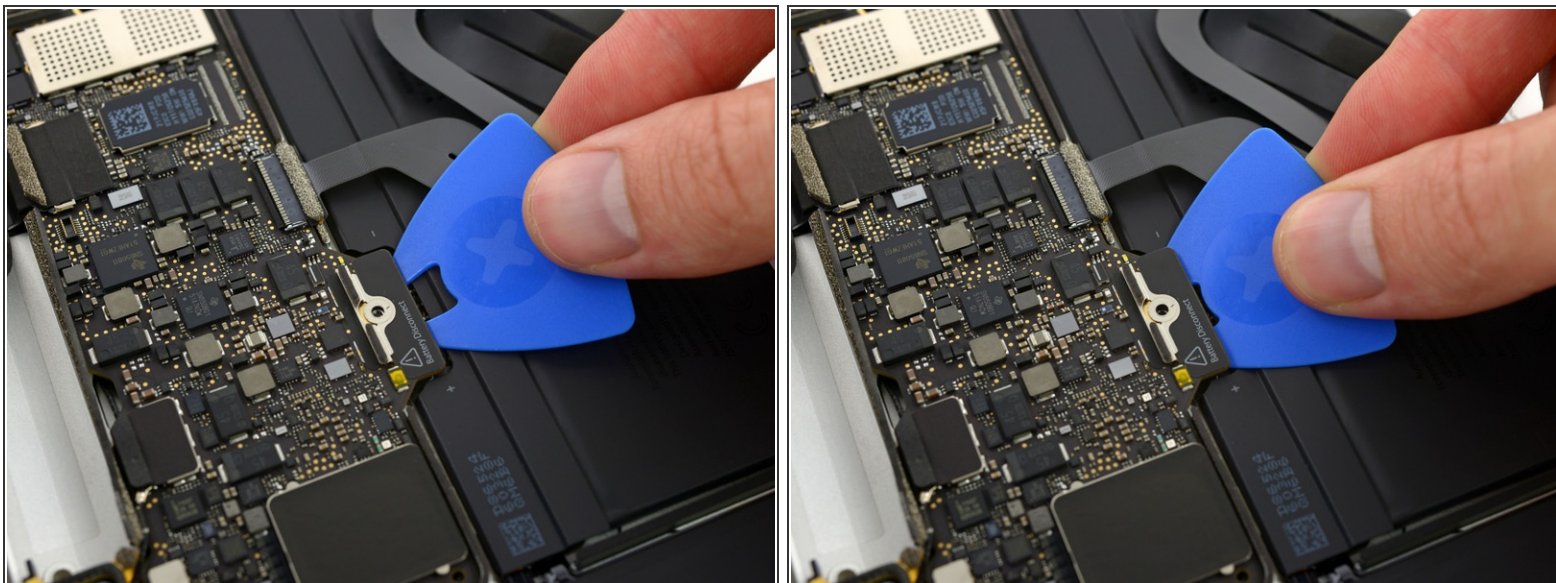
- Carefully turn the MacBook over, so that the lower case lays flat.
- Raise the upper case/display assembly to about a 90-100° angle, or use something to prop it up so you don't have to hold it.
- ❗ It's possible to open the MacBook all the way and lay both sides down flat, but this may put undue strain on the remaining connecting cables.

Step 8



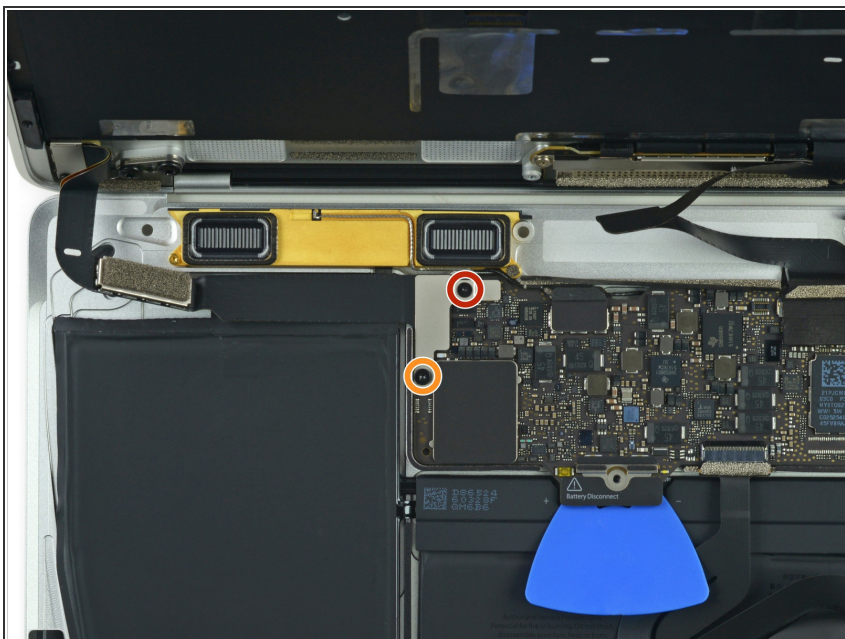
- Remove the single 2.9 mm T5 Torx screw securing the battery connector to the logic board.

Step 9



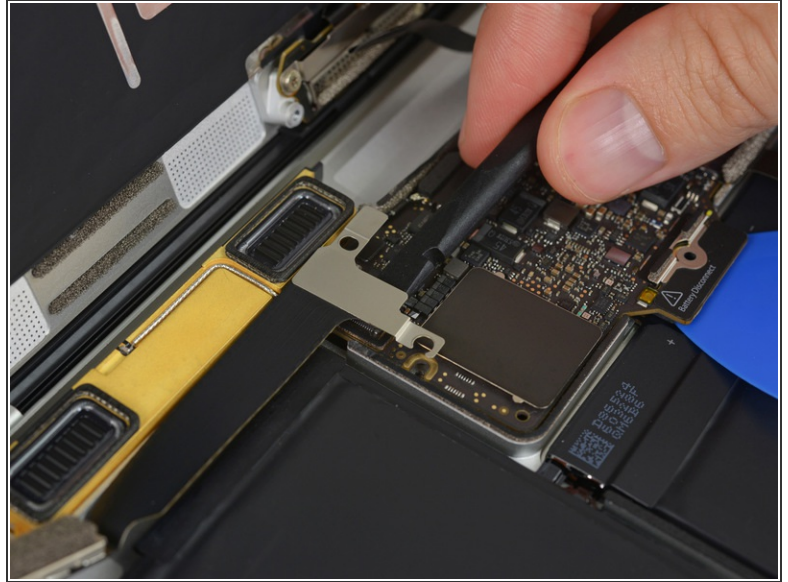
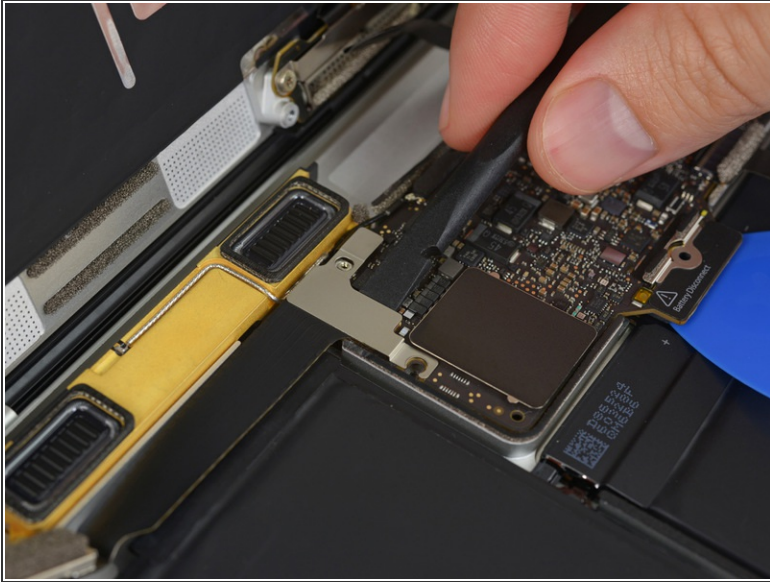
- Disconnect the battery by inserting a [battery isolation pick](#) between the logic board and the battery connector.

Step 10



- Remove the two screws securing the USB-C port cable bracket:
 - 1.1 mm Tri-point Y00 screw
 - 3.5 mm T5 Torx screw

Step 11



- Use the flat end of a spudger to disconnect the USB-C port cable bracket by prying it straight up from the logic board.

Step 12



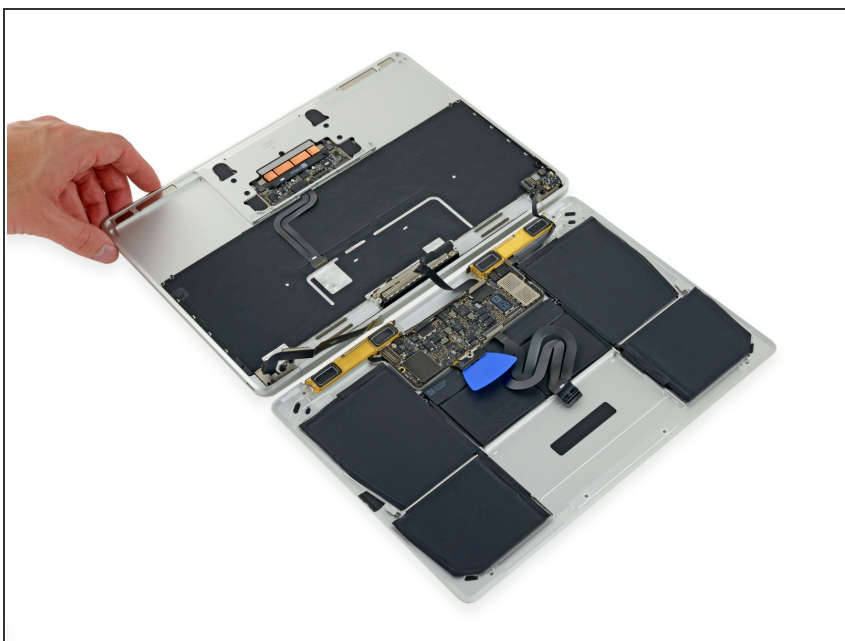
- Use a spudger to flip open the retaining flap on the audio jack board cable ZIF connector.

Step 13



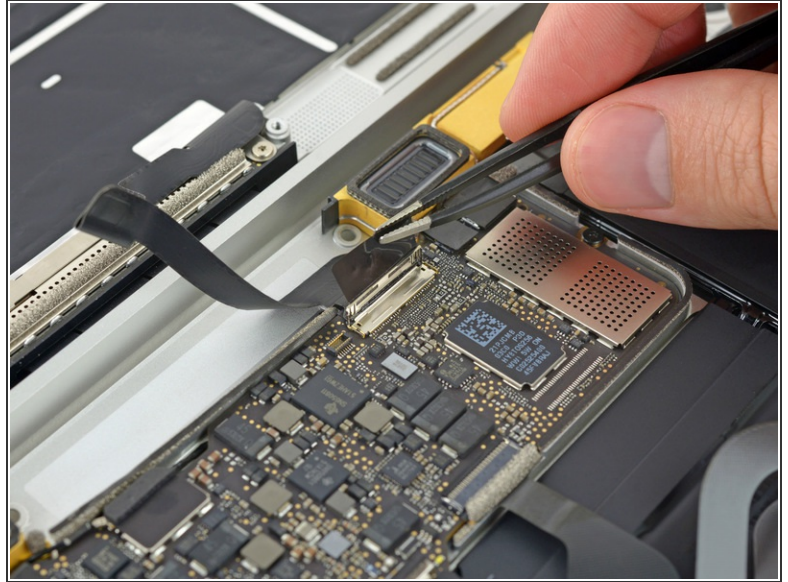
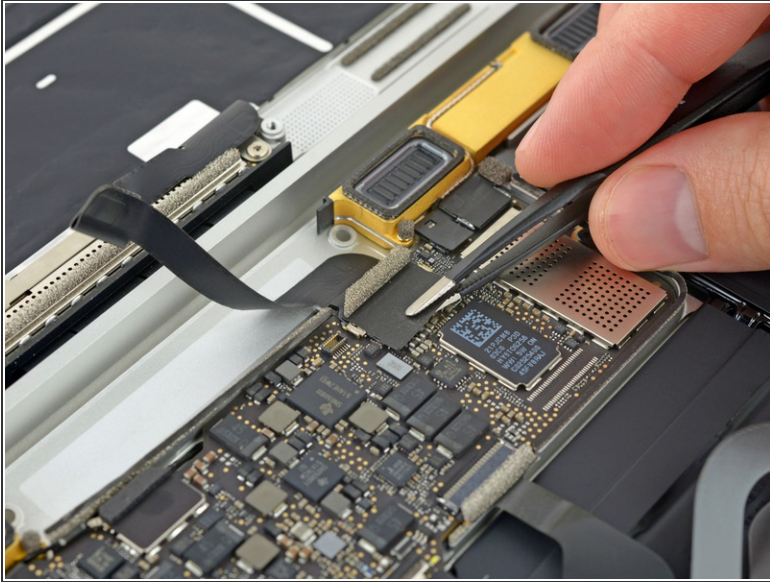
- Disconnect the audio jack board ribbon cable by pulling it straight back out of the ZIF connector.
- ★ During reassembly, orient the ribbon cable so that the side with the white stripe faces you, as shown.

Step 14



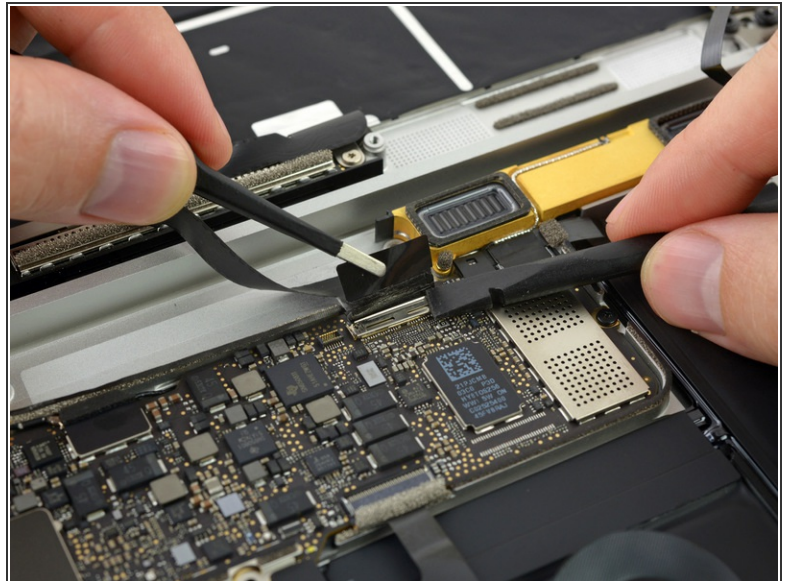
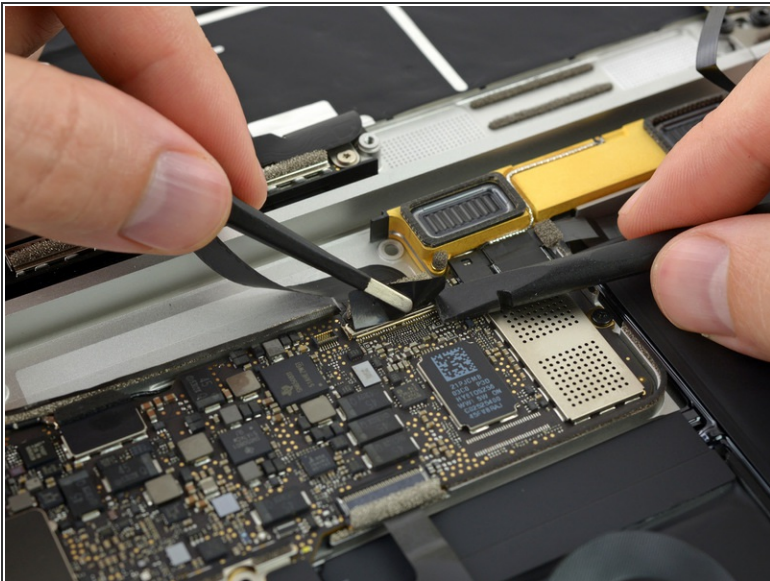
- Open the MacBook the rest of the way and lay the two halves down flat, being careful of the ribbon cable that still connects them.

Step 15



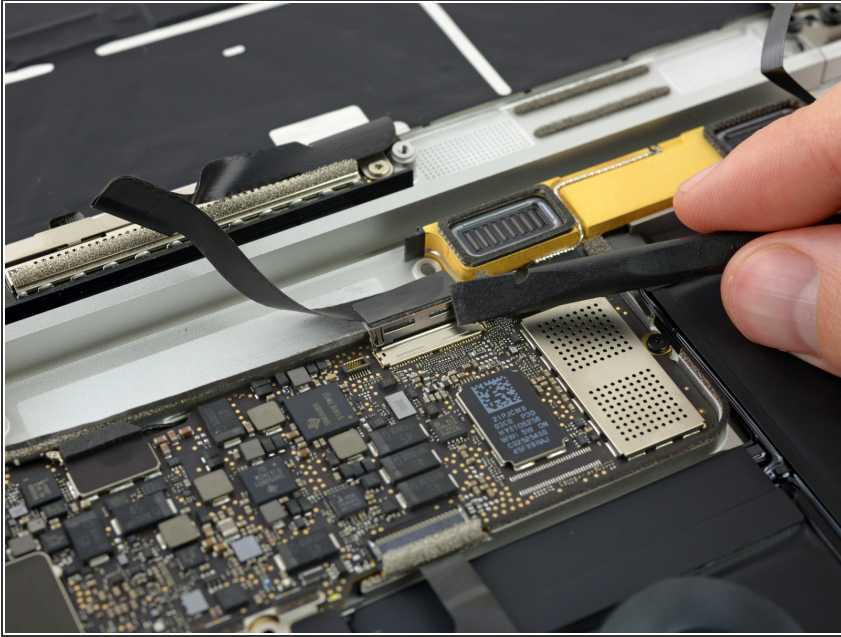
- Use tweezers to peel back the tape covering the display cable connector.

Step 16



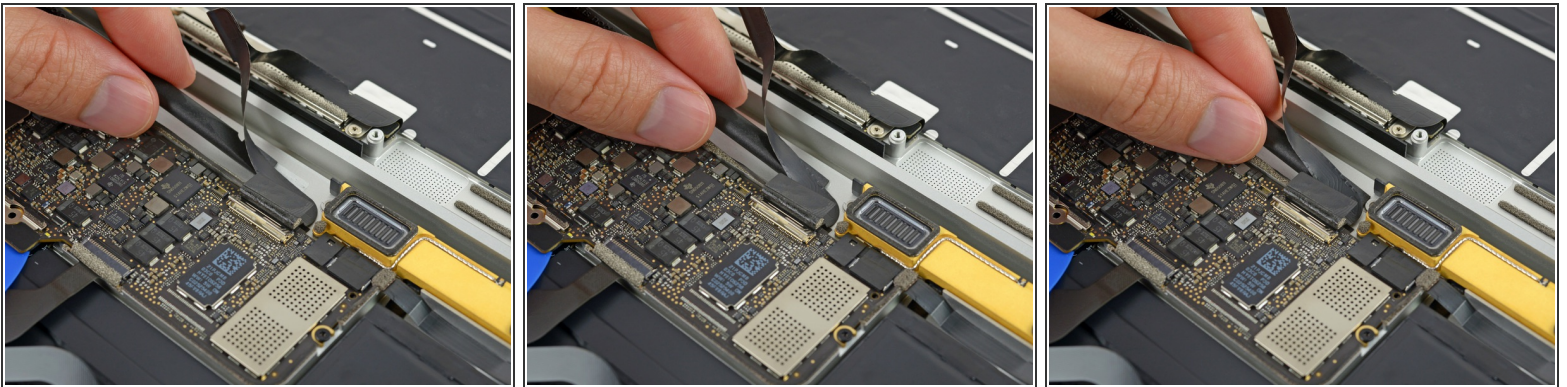
- i** It's possible the metal retaining flap on the display cable connector may flip open, remaining stuck to the tape.
- If so, use the flat end of a spudger to hold down the retaining flap while peeling the tape away with the tweezers.

Step 17



- Use the flat end of a spudger to flip open the retaining flap on the display cable connector.
- Try to keep it clear of the tape, or it may re-adhere and make cable removal difficult.

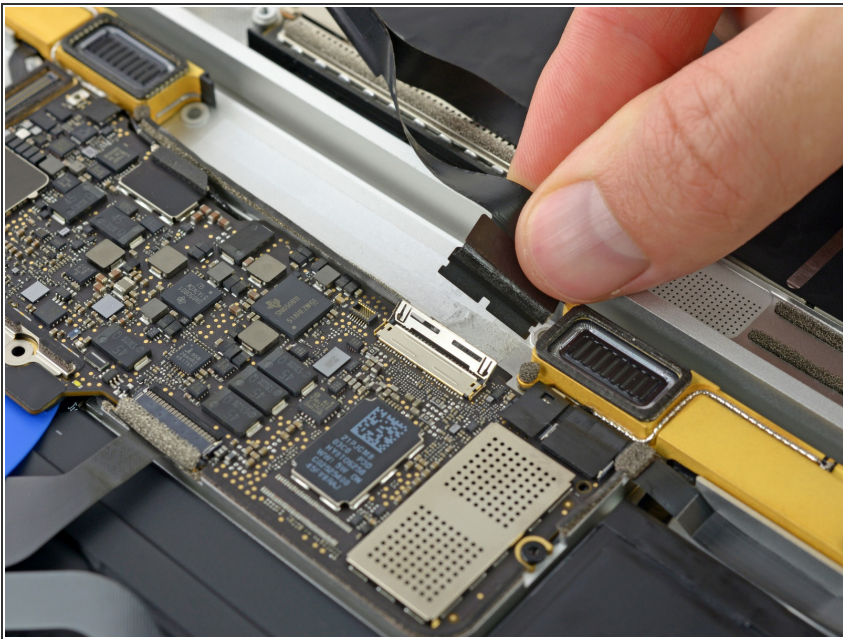
Step 18



- Carefully slide the flat end of a spudger underneath the display cable to separate the adhesive holding it to the lower case.

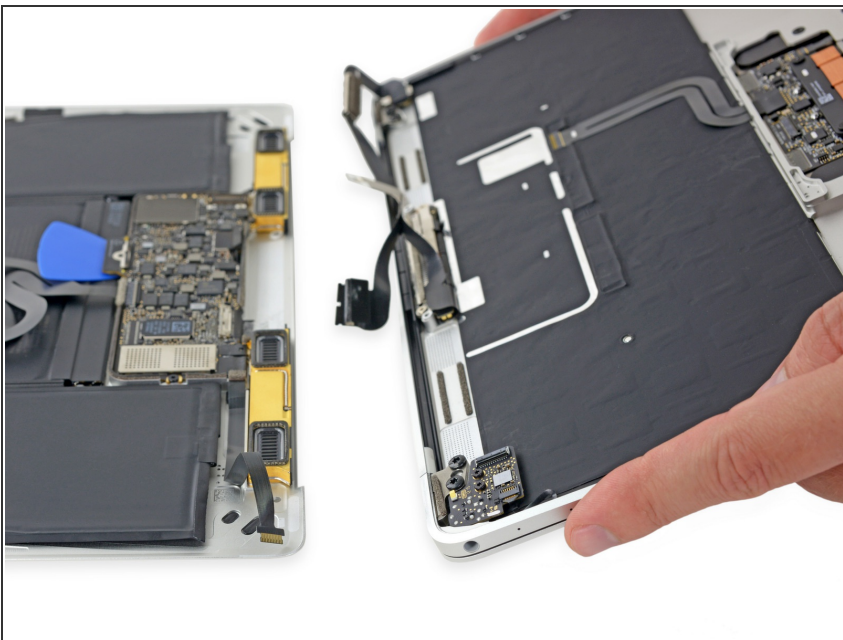
⚠ Take care not to damage the cable. If the adhesive is very strong, heat the case directly beneath the cable with an [iOpener](#) to soften the adhesive, and then try again.

Step 19



- Disconnect the display cable by gently pulling it straight out of its connector.

Step 20



- Separate the upper case assembly from the lower case assembly.

To reassemble your device, follow these instructions in reverse order.